Hans J Griesser

List of Publications by Year in Descending Order

249 papers	11,033 citations	57 h-index	94 g-index
258 ext. papers	11,778 ext. citations	5 avg, IF	6.19 L-index

#	Paper	IF	Citations
249	Attachment of endothelial colony-forming cells onto a surface bearing immobilized anti-CD34 antibodies: Specific CD34 binding versus nonspecific binding.. *Biointerphases*, **2022**, 17, 031003	1.8	
248	Assessment of nonreleasing antifungal surface coatings bearing covalently attached pharmaceuticals. *Biointerphases*, **2021**, 16, 061001	1.8	0
247	Can Survive Antifungal Surface Coatings on Surfaces with Microcone Topography.. *ACS Applied Bio Materials*, **2021**, 4, 7769-7778	4.1	0
246	Rational approaches for optimizing chemical functionality of plasma polymers: A case study with ethyl trimethylacetate. *Plasma Processes and Polymers*, **2021**, 18, 2000195	3.4	1
245	Antimicrobial Peptides Grafted onto a Plasma Polymer Interlayer Platform: Performance upon Extended Bacterial Challenge. *Coatings*, **2021**, 11, 68	2.9	9
244	Surface-Grafted Hyperbranched Polyglycerol Coating: Varying Extents of Fouling Resistance across a Range of Proteins and Cells.. *ACS Applied Bio Materials*, **2020**, 3, 3718-3730	4.1	7
243	Bacterial membrane permeability of antimicrobial polymethacrylates: Evidence for a complex mechanism from super-resolution fluorescence imaging. *Acta Biomaterialia*, **2020**, 108, 168-177	10.8	7
242	Combatting fungal biofilm formation by diffusive release of fluconazole from heptylamine plasma polymer coating. *Biointerphases*, **2020**, 15, 061012	1.8	1
241	Modulation of substrate van der Waals forces using varying thicknesses of polymer overlayers. *Journal of Colloid and Interface Science*, **2020**, 580, 690-699	9.3	2
240	Antibacterial Performance of Terpenoids from the Australian Plant. *Antibiotics*, **2019**, 8,	4.9	4
239	Antifungal Activity in Compounds from the Australian Desert Plant Eremophila alternifolia with Potency Against Cryptococcus spp. *Antibiotics*, **2019**, 8,	4.9	4
238	Interfacial Forces at Layered Surfaces: Substrate Electrical Double-Layer Forces Acting through Ultrathin Polymer Coatings. *Langmuir*, **2019**, 35, 11679-11689	4	2
237	The Physics of Plasma Ion Chemistry: A Case Study of Plasma Polymerization of Ethyl Acetate. *Journal of Physical Chemistry Letters*, **2019**, 10, 7306-7310	6.4	2
236	Surface coatings with covalently attached anidulafungin and micafungin prevent Candida albicans biofilm formation. *Journal of Antimicrobial Chemotherapy*, **2019**, 74, 360-364	5.1	6
235	QCM-D and XPS study of protein adsorption on plasma polymers with sulfonate and phosphonate surface groups. *Colloids and Surfaces B: Biointerfaces*, **2019**, 173, 447-453	6	22
234	Promiscuous hydrogen in polymerising plasmas. *Physical Chemistry Chemical Physics*, **2018**, 20, 7033-7042	3.6	7
233	Plasma activated coatings with dual action against fungi and bacteria. *Applied Materials Today*, **2018**, 12, 72-84	6.6	33

232	The importance of fungal pathogens and antifungal coatings in medical device infections. *Biotechnology Advances*, **2018**, 36, 264-280	17.8	29
231	Surface-grafted antimicrobial drugs: Possible misinterpretation of mechanism of action. *Biointerphases*, **2018**, 13, 06E409	1.8	5
230	An Acid Test: Facile SI-ARGET-ATRP of Methacrylic Acid. *Macromolecular Chemistry and Physics*, **2018**, 219, 1800182	2.6	1
229	Synthesis of highly functionalised plasma polymer films from protonated precursor ions via the plasma □transition. *Physical Chemistry Chemical Physics*, **2017**, 19, 5637-5646	3.6	12
228	Affinity Binding of EMR2 Expressing Cells by Surface-Grafted Chondroitin Sulfate B. *Biomacromolecules*, **2017**, 18, 1697-1704	6.9	4
227	3D printed lattices as an activation and expansion platform for T cell therapy. *Biomaterials*, **2017**, 140, 58-68	15.6	25
226	Caspofungin on ARGET-ATRP grafted PHEMA polymers: Enhancement and selectivity of prevention of attachment of Candida albicans. *Biointerphases*, **2017**, 12, 05G602	1.8	15
225	Facile single-step bioconjugation of the antifungal agent caspofungin onto material surfaces via an epoxide plasma polymer interlayer. *RSC Advances*, **2017**, 7, 27678-27681	3.7	10
224	Colloid-probe AFM studies of the surface functionality and adsorbed proteins on binary colloidal crystal layers. *RSC Advances*, **2017**, 7, 7329-7337	3.7	3
223	Plasma Polymers Containing Sulfur and Their Co-Polymers With 1,7-Octadiene: Chemical and Structural Analysis. *Plasma Processes and Polymers*, **2017**, 14, 1600044	3.4	4
222	Photo-doping of plasma-deposited polyaniline (PAni). *RSC Advances*, **2016**, 6, 70691-70699	3.7	23
221	Hyperthermal Intact Molecular Ions Play Key Role in Retention of ATRP Surface Initiation Capability of Plasma Polymer Films from Ethyl □Bromoisobutyrate. *ACS Applied Materials & Interfaces*, **2016**, 8, 16493-502	9.5	15
220	Antibacterial constituents of Eremophila alternifolia: An Australian aboriginal traditional medicinal plant. *Journal of Ethnopharmacology*, **2016**, 182, 1-9	5	16
219	"Thunderstruck": Plasma-Polymer-Coated Porous Silicon Microparticles As a Controlled Drug Delivery System. *ACS Applied Materials & Interfaces*, **2016**, 8, 4467-76	9.5	32
218	Anti-infective Surface Coatings: Design and Therapeutic Promise against Device-Associated Infections. *PLoS Pathogens*, **2016**, 12, e1005598	7.6	37
217	Effects of Precursor and Deposition Conditions on Prevention of Bacterial Biofilm Growth on Chlorinated Plasma Polymers. *Plasma Processes and Polymers*, **2016**, 13, 654-662	3.4	8
216	Chlorine-rich plasma polymer coating for the prevention of attachment of pathogenic fungal cells onto materials surfaces. *Journal Physics D: Applied Physics*, **2016**, 49, 294001	3	4
215	Advanced biopolymer-coated drug-releasing titania nanotubes (TNTs) implants with simultaneously enhanced osteoblast adhesion and antibacterial properties. *Colloids and Surfaces B: Biointerfaces*, **2015**, 130, 255-63	6	99

214	Colloid-probe AFM studies of the interaction forces of proteins adsorbed on colloidal crystals. *Soft Matter*, **2015**, 11, 3188-97	3.6	7
213	Nitric oxide releasing plasma polymer coating with bacteriostatic properties and no cytotoxic side effects. *Chemical Communications*, **2015**, 51, 7058-60	5.8	32
212	Cellular micromotion monitored by long-range surface plasmon resonance with optical fluctuation analysis. *Analytical Chemistry*, **2015**, 87, 1456-61	7.8	37
211	Laboratory Scale Systems for the Plasma Treatment and Coating of Particles. *Plasma Processes and Polymers*, **2015**, 12, 305-313	3.4	18
210	Low-Pressure Plasma Methods for Generating Non-Reactive Hydrophilic and Hydrogel-Like Bio-Interface Coatings □A Review. *Plasma Processes and Polymers*, **2015**, 12, 8-24	3.4	49
209	Antifungal coatings by caspofungin immobilization onto biomaterials surfaces via a plasma polymer interlayer. *Biointerphases*, **2015**, 10, 04A307	1.8	18
208	ToF-SIMS multivariate analysis of surface-grafted small bioactive molecules. *Biointerphases*, **2015**, 10, 04A310	1.8	5
207	Influence of Tetramethyldisiloxane-Oxygen Mixtures on the Physical Properties of Microwave PECVD Coatings and Subsequent Post-Plasma Reactions. *Plasma Processes and Polymers*, **2015**, 12, 555-563	3.4	5
206	Packed Bed Bioreactor for the Isolation and Expansion of Placental-Derived Mesenchymal Stromal Cells. *PLoS ONE*, **2015**, 10, e0144941	3.7	24
205	Serrulatane Diterpenoid from Eremophila neglecta Exhibits Bacterial Biofilm Dispersion and Inhibits Release of Pro-inflammatory Cytokines from Activated Macrophages. *Journal of Natural Products*, **2015**, 78, 3031-40	4.9	17
204	Comparison of Plasma Polymerization under Collisional and Collision-Less Pressure Regimes. *Journal of Physical Chemistry B*, **2015**, 119, 15359-69	3.4	18
203	Surface coatings with covalently attached caspofungin are effective in eliminating fungal pathogens. *Journal of Materials Chemistry B*, **2015**, 3, 8469-8476	7.3	25
202	XPS Analysis and Antibacterial Assay of Novobiocin Coating. *Procedia Chemistry*, **2015**, 16, 592-599		1
201	Compounds from Geijera parviflora with prostaglandin E2 inhibitory activity may explain its traditional use for pain relief. *Journal of Ethnopharmacology*, **2015**, 163, 251-5	5	8
200	Scrutinizing calcium flux oscillations in T lymphocytes to deduce the strength of stimulus. *Scientific Reports*, **2015**, 5, 7760	4.9	15
199	Biomaterials surfaces capable of resisting fungal attachment and biofilm formation. *Biotechnology Advances*, **2014**, 32, 296-307	17.8	54
198	RAFT-derived antimicrobial polymethacrylates: elucidating the impact of end-groups on activity and cytotoxicity. *Polymer Chemistry*, **2014**, 5, 5813-5822	4.9	58
197	Direct imaging of mechanical and chemical gradients across the thickness of graded organosilicone microwave PECVD coatings. *ACS Applied Materials & Interfaces*, **2014**, 6, 1279-87	9.5	10

196	Rhodomyrtals AD, four unusual phloroglucinol-sesquiterpene adducts from Rhodomyrtus psidioides. *RSC Advances*, **2014**, 4, 13514-13517	3.7	13
195	Plasma polymerization of 1,1,1-trichloroethane yields a coating with robust antibacterial surface properties. *RSC Advances*, **2014**, 4, 27604-27606	3.7	13
194	Variations in graded organosilicone microwave PECVD coatings modify stress and improve the durability on plastic substrates. *Surface and Coatings Technology*, **2014**, 259, 616-624	4.4	7
193	Antimicrobial Polymethacrylates Synthesized as Mimics of Tryptophan-Rich Cationic Peptides.. *ACS Macro Letters*, **2014**, 3, 319-323	6.6	76
192	A solid-state nuclear magnetic resonance study of post-plasma reactions in organosilicone microwave plasma-enhanced chemical vapor deposition (PECVD) coatings. *ACS Applied Materials & Interfaces*, **2014**, 6, 8353-62	9.5	19
191	Antibacterial anthranilic acid derivatives from Geijera parviflora. *Fitoterapia*, **2014**, 93, 62-6	3.2	16
190	Structure–activity relationships of guanylated antimicrobial polymethacrylates. *Pure and Applied Chemistry*, **2014**, 86, 1281-1291	2.1	16
189	Deposition and XPS and FTIR Analysis of Plasma Polymer Coatings Containing Phosphorus. *Plasma Processes and Polymers*, **2014**, 11, 133-141	3.4	32
188	Platelet interactions with polyurethane nanocomposites: effect of organic modifier terminal functionality. *Materials Technology*, **2014**, 29, B114-B119	2.1	2
187	Optical biosensing for label-free cellular studies. *TrAC - Trends in Analytical Chemistry*, **2014**, 53, 178-186	14.6	39
186	Tuneable and robust long range surface plasmon resonance for biosensing applications. *Optical Materials*, **2013**, 35, 2507-2513	3.3	32
185	Controlled covalent surface immobilisation of proteins and peptides using plasma methods. *Surface and Coatings Technology*, **2013**, 233, 169-177	4.4	78
184	Antimicrobial properties of 8-hydroxyserrulat-14-en-19-oic acid for treatment of implant-associated infections. *Antimicrobial Agents and Chemotherapy*, **2013**, 57, 333-42	5.9	14
183	Silver Containing Biomaterials **2013**, 355-378		2
182	Steric and electrostatic surface forces on sulfonated PEG graft surfaces with selective albumin adsorption. *Colloids and Surfaces B: Biointerfaces*, **2013**, 106, 102-8	6	6
181	Cell attachment and proliferation on high conductivity PEDOT-glycol composites produced by vapour phase polymerisation. *Biomaterials Science*, **2013**, 1, 368-378	7.4	24
180	Pilidiostigmin, a novel bioactive dimeric acylphloroglucinol derivative isolated from Pilidiostigma glabrum. *Tetrahedron Letters*, **2013**, 54, 1853-1856	2	4
179	Total synthesis and structural confirmation of the antibacterial diterpene leubethanol. *Tetrahedron*, **2013**, 69, 6468-6473	2.4	12

178	Grafting of poly(ethylene glycol) on click chemistry modified Si(100) surfaces. *Langmuir*, **2013**, 29, 8355-62	4	29
177	Guanylated polymethacrylates: a class of potent antimicrobial polymers with low hemolytic activity. *Biomacromolecules*, **2013**, 14, 4021-31	6.9	145
176	Effects of Varying Heptylamine and Propionaldehyde Plasma Polymerization Parameters on Mesenchymal Stem Cell Attachment. *Plasma Processes and Polymers*, **2013**, 10, 19-28	3.4	16
175	Parvifloranines A and B, two 11-carbon alkaloids from Geijera parviflora. *Journal of Natural Products* , **2013**, 76, 1384-7	4.9	14
174	Instability of Antibacterial Serrulatane Compounds from the Australian Plant Species Eremophila duttonii. *Australian Journal of Chemistry*, **2012**, 65, 20	1.2	11
173	Microplasma arrays: a new approach for maskless and localized patterning of materials surfaces. *RSC Advances*, **2012**, 2, 12007	3.7	15
172	A ToF-SIMS and XPS study of protein adsorption and cell attachment across PEG-like plasma polymer films with lateral compositional gradients. *Surface Science*, **2012**, 606, 1798-1807	1.8	16
171	Biologically active dibenzofurans from Pilidiostigma glabrum, an endemic Australian Myrtaceae. *Journal of Natural Products*, **2012**, 75, 1612-7	4.9	22
170	Immobilized streptavidin gradients as bioconjugation platforms. *Langmuir*, **2012**, 28, 2710-7	4	32
169	Antimicrobial and Anti-Inflammatory Intelligent Surfaces **2012**, 183-241		7
168	Functionality of proteins bound to plasma polymer surfaces. *ACS Applied Materials & Interfaces* , **2012**, 4, 2455-63	9.5	49
167	Dense PEG layers for efficient immunotargeting of nanoparticles to cancer cells. *Journal of Materials Chemistry*, **2012**, 22, 8810		33
166	Hydroxyl Radical Etching Improves Adhesion of Plasma-Deposited a-SiOxCyHz Films on Poly(Methylmethacrylate). *Plasma Processes and Polymers*, **2012**, 9, 398-405	3.4	8
165	Fabrication and Operation of a Microcavity Plasma Array Device for Microscale Surface Modification. *Plasma Processes and Polymers*, **2012**, 9, 638-646	3.4	20
164	Etching and Deposition Mechanism of an Alcohol Plasma on Polycarbonate and Poly(Methyl Methacrylate): An Adhesion Promotion Mechanism for Plasma Deposited a:SiOxCyHz Coating. *Plasma Processes and Polymers*, **2012**, 9, 855-865	3.4	8
163	Solid-state capture and real-time analysis of individual T cell activation via self-assembly of binding multimeric proteins on functionalized materials surfaces. *Acta Biomaterialia*, **2012**, 8, 99-107	10.8	14
162	Antibacterial spectrum and cytotoxic activities of serrulatane compounds from the Australian medicinal plant Eremophila neglecta. *Journal of Applied Microbiology*, **2012**, 112, 197-204	4.7	30
161	Individual and Population Quantitative Analyses of Calcium Flux in T-Cells Activated on Functionalized Material Surfaces. *Australian Journal of Chemistry*, **2012**, 65, 45	1.2	8

160	Chemical and biomolecule patterning on 2D surfaces using atmospheric pressure microcavity plasma array devices **2011**,		1
159	Plasma functionalized PDMS microfluidic chips: towards point-of-care capture of circulating tumor cells. *Journal of Materials Chemistry*, **2011**, 21, 8841		31
158	Abrasion resistance of thin film coatings as measured by diffuse optical scattering. *Surface and Coatings Technology*, **2011**, 206, 312-317	4.4	14
157	The influence of surface topography of a porous perfluoropolyether polymer on corneal epithelial tissue growth and adhesion. *Biomaterials*, **2011**, 32, 8870-9	15.6	9
156	Surface modification and chemical surface analysis of biomaterials. *Current Opinion in Chemical Biology*, **2011**, 15, 667-76	9.7	76
155	Design of a Microplasma Device for Spatially Localised Plasma Polymerisation. *Plasma Processes and Polymers*, **2011**, 8, 695-700	3.4	16
154	Antibacterial Surfaces and Coatings Produced by Plasma Techniques. *Plasma Processes and Polymers*, **2011**, 8, 1010-1023	3.4	130
153	Highly Ordered Nanometer-Scale Chemical and Protein Patterns by Binary Colloidal Crystal Lithography Combined with Plasma Polymerization. *Advanced Functional Materials*, **2011**, 21, 540-546	15.6	56
152	Enhanced molecular chaperone activity of the small heat-shock protein alphaB-cystallin following covalent immobilization onto a solid-phase support. *Biopolymers*, **2011**, 95, 376-89	2.2	12
151	Controlled release of levofloxacin sandwiched between two plasma polymerized layers on a solid carrier. *ACS Applied Materials & Interfaces*, **2011**, 3, 4831-6	9.5	53
150	Comprehensive characterization of grafted expanded poly(tetrafluoroethylene) for medical applications. *Langmuir*, **2010**, 26, 15409-17	4	17
149	Antibacterial surfaces by adsorptive binding of polyvinyl-sulphonate-stabilized silver nanoparticles. *Nanotechnology*, **2010**, 21, 215102	3.4	74
148	Prevention of bacterial biofilms by covalent immobilization of peptides onto plasma polymer functionalized substrates. *Journal of Materials Chemistry*, **2010**, 20, 8092		52
147	Tunable antibacterial coatings that support mammalian cell growth. *Nano Letters*, **2010**, 10, 202-7	11.5	140
146	Colloid probe AFM study of thermal collapse and protein interactions of poly(N-isopropylacrylamide) coatings. *Soft Matter*, **2010**, 6, 2657	3.6	34
145	Platforms for controlled release of antibacterial agents facilitated by plasma polymerization. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2010**, 2010, 811-4	0.9	5
144	Molecular-level removal of proteinaceous contamination from model surfaces and biomedical device materials by air plasma treatment. *Journal of Hospital Infection*, **2010**, 76, 234-42	6.9	8
143	In-situ QCM-D analysis reveals four distinct stages during vapour phase polymerisation of PEDOT thin films. *Polymer*, **2010**, 51, 1737-1743	3.9	32

142	Clinical observations of biofouling on PEO coated silicone hydrogel contact lenses. *Biomaterials*, **2010**, 31, 5510-9	15.6	92
141	Early Stages of Growth of Plasma Polymer Coatings Deposited from Nitrogen- and Oxygen-Containing Monomers. *Plasma Processes and Polymers*, **2010**, 7, 824-835	3.4	79
140	Immunotargeting of Functional Nanoparticles for MRI detection of Apoptotic Tumor Cells. *Advanced Materials*, **2009**, 21, 541-5	24	29
139	Sulfonated Surfaces by Sulfur Dioxide Plasma Surface Treatment of Plasma Polymer Films. *Plasma Processes and Polymers*, **2009**, 6, 583-592	3.4	37
138	Stimuli-responsive interfaces and systems for the control of protein-surface and cell-surface interactions. *Biomaterials*, **2009**, 30, 1827-50	15.6	394
137	Antibacterial surfaces for biomedical devices. *Expert Review of Medical Devices*, **2009**, 6, 553-67	3.5	388
136	End terminal, poly(ethylene oxide) graft layers: surface forces and protein adsorption. *Langmuir*, **2009**, 25, 9149-56	4	64
135	Time-of-flight secondary ion mass spectrometry study of the orientation of a bifunctional diblock copolymer attached to a solid substrate. *Langmuir*, **2009**, 25, 1011-9	4	9
134	Time-of-flight-secondary ion mass spectrometry study of the temperature dependence of protein adsorption onto poly(N-isopropylacrylamide) graft coatings. *Analytical Chemistry*, **2009**, 81, 6905-12	7.8	19
133	A robust procedure for the functionalization of gold nanorods and noble metal nanoparticles. *Chemical Communications*, **2009**, 1724-6	5.8	86
132	Template-assisted generation of nanocavities within plasma polymer films. *Journal of Physical Chemistry B*, **2009**, 113, 7059-63	3.4	10
131	Substrate influence on the initial growth phase of plasma-deposited polymer films. *Chemical Communications*, **2009**, 3600-2	5.8	93
130	The role of water in the synthesis and performance of vapour phase polymerised PEDOT electrochromic devices. *Journal of Materials Chemistry*, **2009**, 19, 7871		81
129	Surface Analysis of Biomaterials **2009**, 529-564		9
128	Solvent-induced porosity in ultrathin amine plasma polymer coatings. *Journal of Physical Chemistry B*, **2008**, 112, 10915-21	3.4	86
127	Concurrent elution of calcium phosphate and macromolecules from alginate/chitosan hydrogel coatings. *Biointerphases*, **2008**, 3, 105-16	1.8	7
126	Electrostatic self-assembly of PEG copolymers onto porous silica nanoparticles. *Langmuir*, **2008**, 24, 8143-50		76
125	Surface modification of nanoporous alumina membranes by plasma polymerization. *Nanotechnology*, **2008**, 19, 245704	3.4	73

124	PEGylation of porous silicon using click chemistry. *Langmuir*, **2008**, 24, 7625-7	4	48
123	TOF-SIMS and principal component analysis characterization of the multilayer surface grafting of small molecules: antibacterial furanones. *Analytical Chemistry*, **2008**, 80, 430-6	7.8	15
122	Biomimetic hemocompatible coatings through immobilization of hyaluronan derivatives on metal surfaces. *Langmuir*, **2008**, 24, 11834-41	4	29
121	Reactive epoxy-functionalized thin films by a pulsed plasma polymerization process. *Langmuir*, **2008**, 24, 10187-95	4	81
120	AFM study of the stability of a dense affinity-bound liposome layer. *Langmuir*, **2008**, 24, 7371-7	4	15
119	Fimbrolide-coated antimicrobial lenses: their in vitro and in vivo effects. *Optometry and Vision Science*, **2008**, 85, 292-300	2.1	58
118	Colloid Probe AFM and XPS Study of Time-Dependent Aging of Amine Plasma Polymer Coatings in Aqueous Media. *Plasma Processes and Polymers*, **2008**, 5, 175-185	3.4	42
117	Antimicrobial compounds from the Australian desert plant Eremophila neglecta. *Journal of Natural Products*, **2007**, 70, 1439-43	4.9	50
116	Nanoscale eluting coatings based on alginate/chitosan hydrogels. *Biointerphases*, **2007**, 2, 95-104	1.8	13
115	Antimicrobial activity of some Australian plant species from the genus Eremophila. *Journal of Basic Microbiology*, **2007**, 47, 158-64	2.7	29
114	Antimicrobial compounds from Eremophila serrulata. *Phytochemistry*, **2007**, 68, 2684-90	4	47
113	Two-dimensional patterning of thin coatings for the control of tissue outgrowth. *Biomaterials*, **2006**, 27, 35-43	15.6	67
112	Thin calcium phosphate coatings on titanium by electrochemical deposition in modified simulated body fluid. *Journal of Biomedical Materials Research - Part A*, **2006**, 76, 347-55	5.4	68
111	Switchable surface coatings for control over protein adsorption **2006**,		5
110	Characterization of sulfate and phosphate containing plasma polymer surfaces **2006**,		2
109	High salt stability and protein resistance of poly(L-lysine)-g-poly(ethylene glycol) copolymers covalently immobilized via aldehyde plasma polymer interlayers on inorganic and polymeric substrates. *Langmuir*, **2006**, 22, 5760-9	4	105
108	Colloid probe AFM investigation of interactions between fibrinogen and PEG-like plasma polymer surfaces. *Langmuir*, **2006**, 22, 313-8	4	42
107	Effects of oxygen plasma treatment on the surface of bisphenol A polycarbonate: a study using SIMS, principal component analysis, ellipsometry, XPS and AFM nanoindentation. *Surface and Interface Analysis*, **2006**, 38, 1186-1197	1.5	52

106	Rapid radiation degradation in the XPS analysis of antibacterial coatings of brominated furanones. *Surface and Interface Analysis*, **2006**, 38, 1512-1518	1.5	19
105	Plasma Methods for the Generation of Chemically Reactive Surfaces for Biomolecule Immobilization and Cell Colonization - A Review. *Plasma Processes and Polymers*, **2006**, 3, 392-418	3.4	802
104	XPS characterization of the surface immobilization of antibacterial furanones. *Surface Science*, **2006** , 600, 952-962	1.8	41
103	Factors affecting the adhesion of microwave plasma deposited siloxane films on polycarbonate. *Thin Solid Films*, **2006**, 500, 34-40	2.2	30
102	Effects of ionic strength and surface charge on protein adsorption at PEGylated surfaces. *Journal of Physical Chemistry B*, **2005**, 109, 17545-52	3.4	259
101	Relationship between interfacial forces measured by colloid-probe atomic force microscopy and protein resistance of poly(ethylene glycol)-grafted poly(L-lysine) adlayers on niobia surfaces. *Langmuir*, **2005**, 21, 6508-20	4	119
100	The control of Staphylococcus epidermidis biofilm formation and in vivo infection rates by covalently bound furanones. *Biomaterials*, **2004**, 25, 5023-30	15.6	131
99	Surface-MALDI mass spectrometry in biomaterials research. *Biomaterials*, **2004**, 25, 4861-75	15.6	61
98	Characterization of surface-immobilized layers of intact liposomes. *Biomacromolecules*, **2004**, 5, 1496-502	6.9	44
97	A comparison of biological coatings for the promotion of corneal epithelialization of synthetic surface in vivo. *Investigative Ophthalmology and Visual Science*, **2003**, 44, 3301-9		36
96	Immobilization and surface characterization of NeutrAvidin biotin-binding protein on different hydrogel interlayers. *Journal of Colloid and Interface Science*, **2003**, 259, 13-26	9.3	87
95	Immobilized liposome layers for drug delivery applications: inhibition of angiogenesis. *Journal of Controlled Release*, **2002**, 80, 179-95	11.7	47
94	Interactions between adsorbed lactoferrin layers measured directly with the atomic force microscope. *Colloids and Surfaces B: Biointerfaces*, **2002**, 23, 125-140	6	30
93	Characterization of sequentially grafted polysaccharide coatings using time-of-flight secondary ion mass spectrometry (ToF-SIMS) and principal component analysis (PCA). *Surface and Interface Analysis*, **2002**, 33, 924-931	1.5	18
92	Effects of cloud-point grafting, chain length, and density of PEG layers on competitive adsorption of ocular proteins. *Biomaterials*, **2002**, 23, 2043-56	15.6	484
91	Ultrasensitive probing of the protein resistance of PEG surfaces by secondary ion mass spectrometry. *Biomaterials*, **2002**, 23, 4775-85	15.6	120
90	Interfacial properties and protein resistance of nano-scale polysaccharide coatings. *Smart Materials and Structures*, **2002**, 11, 652-661	3.4	36
89	Nanometer thickness laser ablation for spatial control of cell attachment. *Smart Materials and Structures*, **2002**, 11, 792-799	3.4	46

88	Physicochemical Properties of Polysaccharide Coatings Based on Grafted Multilayer Assemblies. *Langmuir*, **2002**, 18, 2483-2494	4	35
87	Excimer laser ablation of plasma polymers for cell and tissue culture applications **2001**,		2
86	Excimer laser ablation for spatially controlled protein patterns **2001**,		5
85	XPS and surface-MALDI-MS characterisation of worn HEMA-based contact lenses. *Biomaterials*, **2001**, 22, 3295-304	15.6	59
84	Biomedical coatings by the covalent immobilization of polysaccharides onto gas-plasma-activated polymer surfaces. *Surface and Interface Analysis*, **2000**, 29, 46-55	1.5	100
83	Elimination of stick-slip of elastomeric sutures by radiofrequency glow discharge deposited coatings. *Journal of Biomedical Materials Research Part B*, **2000**, 53, 235-43		7
82	Matrix-assisted laser desorption ionization mass spectrometry detection of proteins adsorbed in vivo onto contact lenses. *Journal of Biomedical Materials Research Part B*, **2000**, 49, 36-42		51
81	Effect of porosity and surface hydrophilicity on migration of epithelial tissue over synthetic polymer. *Journal of Biomedical Materials Research Part B*, **2000**, 50, 475-82		46
80	Peptoid-containing collagen mimetics with cell binding activity. *Journal of Biomedical Materials Research Part B*, **2000**, 51, 612-24		49
79	Surface immobilization of poly(ethylene oxide): Structure and properties. *Journal of Polymer Science, Part B: Polymer Physics*, **2000**, 38, 2323-2332	2.6	51
78	Hybrid biomaterials: Surface-MALDI mass spectrometry analysis of covalent binding versus physisorption of proteins. *Colloids and Surfaces B: Biointerfaces*, **2000**, 17, 23-35	6	28
77	Effect of polysaccharide structure on protein adsorption. *Colloids and Surfaces B: Biointerfaces*, **2000**, 17, 37-48	6	151
76	Method of immobilization of carboxymethyl-dextran affects resistance to tissue and cell colonization. *Colloids and Surfaces B: Biointerfaces*, **2000**, 18, 221-234	6	58
75	Effects of solvent in the casting of poly(1-trimethylsilyl-1-propyne) membranes. *Radiation Physics and Chemistry*, **2000**, 58, 563-566	2.5	23
74	Stabilization of supported liquid membranes by plasma polymerization surface coating. *Journal of Membrane Science*, **2000**, 168, 29-37	9.6	50
73	A Surface Masking Technique for the Determination of Plasma Polymer Film Thickness by AFM. *Plasmas and Polymers*, **2000**, 5, 47-60		45
72	A thin glycoprotein coating of a synthetic lenticule does not cause nutritional deficiency of the anterior cornea. *Current Eye Research*, **1999**, 18, 335-41	2.9	8
71	Post-deposition ageing reactions differ markedly between plasma polymers deposited from siloxane and silazane monomers. *Polymer*, **1999**, 40, 5079-5094	3.9	87

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